Section 985

SAMPLE REDUCTION METHODS

985.01 Scope

This procedure modifies AASHTO T 328, Reducing Samples of Hot-Mix Asphalt to Testing Size.

985.02 Procedure

Utilize AASHTO T 328, Reducing Samples of Hot-Mix Asphalt to Testing Size with the following modifications:

Cooking spray is the approved release agent and where used, remove excess with an absorbent paper towel or cloth.

Section 7. Method A - Mechanical Splitter - Delete

Section 8. Procedure - Delete

Section 7 and Section 8 describe use of the mechanical splitter type known as the "Quartermaster." UDOT has disallowed the use of this kind of splitter.

Section 9. Method B – Quartering

Method B may be used for reduction of field samples of SMA or Open-Graded Seal Coat (OGSC) and other bituminous mixtures whose point of acceptance is the plant from truck transports.

Section 10. Procedure

Add to section 10.1:

If the sample does not separate easily, warm the sample in the oven (250° F max) until it can be mixed and separated (not to exceed 2 hrs, lower temperatures may be utilized for longer periods of time). Tools may be heated, not to exceed 230° F.

Some materials, such as SMA may not require mixing three times, in such cases, mixing is only required if the material does not appear homogeneous.

Straight edges, trowels or square mouth shovels may be used in lieu of the Quartering Template.

Section 11. Method C – Mechanical Splitter (Riffle)

Method C is the preferred method of reduction for dense-mix HMA and other materials whose point of acceptance is behind the paver.

Section 12. Procedure

Add to Section 12.1:

If the sample does not separate easily, warm the sample in the oven (250° F max) until it can be mixed and separated (not to exceed 2 hrs, lower temperatures may be utilized for longer periods of time). Tools may be heated, not to exceed 230° F. Use of a release agent is optional.

Add to Section 12.2:

The entire field sample may be reintroduced into the splitter until the sample appears homogeneous.